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| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | | ATTORNEY'S DOCKET NUMBER 29347/50784 U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/540357 |
| INTERNATIONAL APPLICATION NO. PCT/KR2003/002814 | INTERNATIONAL FILING DATE 23 December 2003 | PRIORITY DATE CLAIMED 23 December 2002 |
| TITLE OF INVENTION Apparatus for Manufacturing Molten Irons to Dry and Convey Iron Ores and Additives and Manufacturing Method Using the Same (as amended) | | |
| APPLICANT(S) FOR DO/EO/US Kung-Won NAM, Min-Young CHO, Young-Chae JUNG, Young-Jae JANG, and Franz HAUZENBERGER | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2)) a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)). a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)). | | |
| Items 11 to 20 below concern document(s) or information included: | | |
| 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: International Search Report; International Preliminary Examination Report; return receipt postal card | | |

Under the Paperwork Reduction Project Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

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| U.S. APPLICATION NO. (If known, see 37 CFR 1.15) | | INTERNATIONAL APPLICATION NO. PCT/KR2003/002814 | | ATTORNEY'S DOCKET NUMBER 29347/50784 | |
| The following fees have been submitted | | | | CALCULATIONS | PTO USE ONLY |
| 21. | <input checked="" type="checkbox"/> Basic national fee | \$300 | \$ | 300.00 | |
| 22. | <input checked="" type="checkbox"/> Examination fee | | | | |
| If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) | | | \$100 | | |
| All other situations | | | \$200 | \$ | 200.00 |
| 23. | <input checked="" type="checkbox"/> Search fee | | | | |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | \$100 | | |
| International Search Report prepared and provided to the Office | | | \$400 | | |
| All other situations | | | \$500 | \$ | 500.00 |
| TOTAL OF 21, 22 and 23 = | | | | \$ | 1,000.00 |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| - 100 = | /50 = | | x \$250.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)). | | | | \$ | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 15 - 20 = | | x | \$ | 0.00 |
| Independent claims | 2 - 3 = | | x | \$ | 0.00 |
| MULTIPLE DEPENDENT CLAIM(s) (if applicable) | | | + | \$ | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ | 1,000.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | | |
| SUBTOTAL = | | | | \$ | 1,000.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)). | | | | + | \$ |
| TOTAL NATIONAL FEE = | | | | \$ | 1,000.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | + | \$ |
| TOTAL FEES ENCLOSED = | | | | \$ | 1,000.00 |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be charged: | \$ |
| a. | <input checked="" type="checkbox"/> A check in the amount of \$ <u>1,000.00</u> to cover the above fees is enclosed. | | | | |
| b. | <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | |
| c. | <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2855</u> . A duplicate copy of this sheet is enclosed. | | | | |
| d. | <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | |
| | | | SIGNATURE: <u>James P. Zeller</u> | | |
| | | | NAME: _____ | | |
| CUSTOMER NUMBER: 04743 | | | 28,491 REGISTRATION NUMBER | | |

10/540357

JC20 Rec'd PCT/PTO 23 JUN 2005 ^{PATENT}

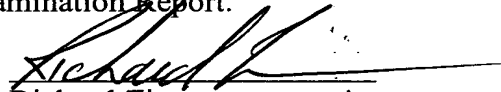
IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

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| Applicants: Nam et al. |) | For: APPARATUS FOR |
| |) | MANUFACTURING MOLTEN IRONS TO |
| U.S. National Phase of |) | DRY AND CONVERY IRON ORES AND |
| PCT/KR2003/002814 filed December |) | ADDITIVES AND MANUFACTURING |
| 23, 2003 |) | METHOD USING THE SAME (as amended) |
| |) | |
| Filed: Herewith |) | Group Art Unit: To be assigned |
| |) | |
| |) | Examiner: To be assigned |

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that the attached eight items (a) through (h) are being deposited with the United States Postal Service on June 23, 2005, in a postage-paid envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV532466509US.

- (a) Transmittal letter to the United States Designated/Elected Office (DO/EO/US) concerning a filing under 35 U.S.C. §371;
- (b) Application, including thirteen sheets of description, three sheets of claims, and two sheets of drawings;
- (c) Application Data Sheet;
- (d) Preliminary Amendment;
- (e) Declaration;
- (f) Information Disclosure Statement;
- (g) International Search Report;
- (h) International Preliminary Examination Report.


Richard Zimmermann